

Form PTO-1449 INFORMATION DISCLOSURE STATEMENT O P E R A T I O N S BY APPLICANT (Use several sheets if necessary)		U.S. Department of Commerce Patent and Trademark Office							Atty. Docket No. P21598	Serial No. 10/050,920			
		Applicant Takashi ENOMOTO											
		Filing Date January 22, 2002							Group 2873				
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	DOCUMENT NUMBER						DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
DAR	4	9	1	7	4	8	2	04/17/90	ITO				
DAR	4	9	1	8	4	8	0	04/17/90	HORI				
DAR	4	9	7	5	7	2	5	12/04/90	MORISAWA				
DAR	4	9	7	8	2	0	4	12/18/90	ITO				
DAR	4	9	8	4	8	7	7	01/15/91	ITO				
DAR	5	1	4	4	3	5	2	09/01/92	SHONO				
DAR	5	2	2	2	4	0	7	06/29/93	SEKIGUCHI				
DAR	5	2	3	7	3	5	7	08/17/93	MORISAWA				
DAR	5	3	0	5	1	4	8	04/19/94	IKEMORI et al.				
DAR	5	3	1	3	2	4	4	05/17/94	ARAI				
DAR	5	3	5	7	3	7	4	10/18/94	OHNO				
DAR	5	5	7	2	2	7	6	11/05/96	HIRAKAWA				
DAR	5	6	4	6	7	9	0	07/08/97	KOHMOTO et al.				
DAR	5	6	7	1	4	4	9	09/23/97	SHIMIZU				
DAR	5	7	0	1	2	0	8	12/23/97	SATO et al.				
DAR	5	7	0	8	5	3	3	01/13/98	HAMASAKI				
DAR	5	7	7	4	7	4	8	06/30/98	ITO et al.				
DAR	5	8	4	2	0	5	7	11/24/98	NOMURA et al.				
DAR	6	0	2	8	7	1	4	02/22/00	KOYAMA				
EXAMINER	Deborah Raisen							DATE CONSIDERED	March 17, '03				
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

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U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
<i>DAR</i>		8-	1	4	6	2	9	6	06/07/96	JAPAN			<i>abstract</i>
<i>DAR</i>	20	00	1	9	3	8	8	6	07/14/00	JAPAN			<i>abs</i>
<i>DAR</i>	20	00	2	7	5	5	1	8	10/06/00	JAPAN			<i>abs</i>
<i>DAR</i>	20	01	2	3	5	6	8	0	08/31/01	JAPAN			<i>abs</i>
<i>DAR</i>	20	01	3	3	7	2	7	4	12/07/01	JAPAN			✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		1	English Language Abstract of JP 8-146296.	
		2	English Language Abstract of JP 2000-193886.	
		3	English Language Abstract of JP 2000-275518.	
		4	English Language Abstract of JP 2001-235680	

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